

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A thermoplastic elastomer composition comprising
~~thermoplastic elastomers on the basis of a PP/EPDM~~ an isotactic polypropylene
and EPDM blend, the EPDM being with cross-linked; EPDM phase and
syndiotactic polypropylene present in an amount sufficient to function as a
viscosity promoter ~~amount~~.
2. (Currently Amended) A thermoplastic elastomer composition ~~Thermoplastic elastomers,~~
comprising:

ethylene propylene terpolymer[[s]],

isotactic polypropylene,

syndiotactic polypropylene present in an amount sufficient to function as a
viscosity promoter,

mineral filler material,

mineral oil, and

cross-linking catalyst.
3. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2,
wherein the ethylene propylene terpolymer has a ter-component selected from the group
consisting of 1,4-hexadiene, dicyclopentadiene, and ethylidene norbornene.

4. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the isotactic polypropylene is selected from the group consisting of polypropylene homopolymers and polypropylene copolymers.
5. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the mineral filler material is ~~materials are~~ selected from the group consisting of calcium carbonate, talcum and kaolin.
6. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the mineral oil is ~~oils are~~ selected from the group consisting of a naphthene-based solvent and a paraffin-based solvent[[s]].
7. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the cross-linking catalyst is selected from the group consisting of tin-(II)-chloride and salicylic acid.
8. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, ~~wherein the~~ further including an alkyl phenol resin is selected from the group consisting of octylphenol and nonylphenol.
9. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the ethylene propylene terpolymer is present in amounts between 20 and 50 parts.

10. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the isotactic polypropylene is present in amounts between 10 and 50 parts.
11. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the mineral filler material[[s]] is present in amounts between 5 and 50 parts.
12. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the mineral oil[[s]] is present in amounts between 10 and 50 parts.
13. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, wherein the cross-linking catalyst is present in amounts between 0.1 and 2 parts.
14. (Currently Amended) The thermoplastic elastomer[[s]] composition as defined in claim 2, ~~wherein the~~ further comprising an alkyl phenol resin is present in amounts between 0.5 and 5 parts.
15. (Canceled)
16. (Currently Amended) A method for producing the thermoplastic elastomer[[s]] composition as defined in claim 1, comprising
 - 1a) mixing the syndiotactic polypropylene with the isotactic polypropylene and the PP and EPDM blend in ~~the~~ an intake area of a continuously operating double-screw mixer to obtain a melt with the highest possible homogeneity; and

2b) upstream of the screws, dynamically cross-linking the EPDM by adding ~~the~~ a cross-linking resin in the presence of a cross-linking catalyst.

17. (Currently Amended) ~~An article including seals and profiles~~ A seal comprising the thermoplastic elastomer[[s]] composition as defined in claim 1.

18. (Currently Amended) A method for producing the thermoplastic elastomer[[s]] composition as defined in claim 2, comprising

1a) mixing the syndiotactic polypropylene with the isotactic polypropylene and the ethylene propylene terpolymer ~~PP and EPDM~~ in the an intake area of a continuously operating double-screw mixer to obtain a melt with the highest possible homogeneity; and

2b) upstream of the screws, dynamically cross-linking the ~~EPDM~~ ethylene propylene terpolymer by adding ~~the~~ a cross-linking resin in the presence of the cross-linking catalyst.

19. (Currently Amended) ~~An article including seals and profiles~~ A seal comprising the thermoplastic elastomer[[s]] composition as defined in claim 2.

20. (New) The thermoplastic elastomer composition as defined in claim 1, wherein the syndiotactic polypropylene is present in amounts of between about 2 parts and about 4 parts.

21. (New) The thermoplastic elastomer composition as defined in claim 2, wherein the syndiotactic polypropylene is present in amounts of between about 2 and about 4 parts.
22. (New) The thermoplastic elastomer composition as defined in claim 1, wherein the maximum amount of syndiotactic polypropylene is about 4 parts.
23. (New) The thermoplastic elastomer composition as defined in claim 2, wherein the maximum amount of syndiotactic polypropylene is about 4 parts.